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ANNUAL REPORT

OF THE

AGRA MEDICAL COLLEGE

FOR THE YEAR 1940-41

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ISSUE SLIP

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Review of the Annual Report of the Medical College, Agra and the Thomason Hospital, Agra, for the year 1940-41 by the Inspector General of Civil Hospitals, United Provinces

Part I—Medical College, Agra

Lieut.-Col. J. C. Bharucha, M.R.C.P., L.R.C.P., D.P.H. (LONDON), I.M. & S. (BOMBAY), D.O.M.S. (ENG.), I.M.S., held charge of the Principalship during the year.

2. The following table shows the number of students in the College during the year under review (1940-41), as compared with the year 1939-40 :

Year	Number on the rolls	Classification of students		
		Military class	Civil class	Private class
1939-40	270	2	268	..
1940-41	314	..	314	..

3. The following table shows the disposition of students during the year 1940-41 as compared with the preceding year 1939-40 :

Year	Number on the rolls	Number passed	Number removed	Number left or resigned otherwise	Number died	Number did not join	Number on the rolls at the end of the year
1939-40 ..	270	45	..	3	..	..	222
1940-41 ..	314	69	3	3	..	..	239

4. The total number of students increased by 44 during the year.

5. The pre-medical test of candidates was held in the first week of August, as in the year 1939-40.

6. One hundred and seventy-three candidates applied for admission to the College at the commencement of the session, of whom 133 appeared at the Competitive Examination. Of these 3 were M.Sc. passed, 18 B.Sc. passed, and 112 I.Sc. passed.

7. Of the 314 students on the rolls of the College, 263 were Hindus, 36 Muslims and 15 Indian Christians. Of these 314 students, 8 belonged to the neighbouring Indian States, 2 to Ajmer-Merwara, 6 to the Delhi Province, and 298 to the United Provinces.

8. The total number of students at the beginning of the session was as follows :

M. B., B. S. Class	2nd year	1st year
Male students	59	45
Female students	2	9
Total ..	61	54

L. S. M. F. Class	4th year	3rd year	2nd year
Male students	68	63	26
Female students	23	18	1
Total ..	91	81	27

9. Three thousand, five hundred and twenty-two operations were performed during the year in the presence of students, against 4,849 in the year 1939-40.

10. Sixty-one thousand and fifty-one out-door patients were examined and treated before the students against 64,768 in the year 1939-40, and 484 labour cases were conducted against 378 in the year 1939-40.

11. The Agra Medical College Clinical Society continued to function with enthusiasm. It is steadily growing and becoming more popular. Eleven scientific meetings were held during the year, and four prizes were awarded, two to the best speakers and two to the best writers.

12. His Excellency the Governor, United Provinces, and Dr. Panna Lal, C.I.E., I.C.S., Advisor to His Excellency the Governor, visited the Medical College, Agra, in the year.

13. The general health of the students was good, and discipline satisfactory.

14. Lieut.-Col. J. C. Bharucha continued to take a keen interest in the welfare of the institution and has maintained discipline.

Part II—Thomason Hospital, Agra

The charge of the Thomason Hospital, which is attached to the Medical College, was held by Major M. R. Sinclair, I.M.S., from 1st April, 1940 to 13th January, 1941, Lieut.-Col. J. C. Bharucha from 14th January to 31st March, 1941.

2. The total number of in and out-door patients treated in the Hospital during the calendar year 1939, as compared with 1940, was as follows :

Year	1939	1940
In-door	6,748	6,524
Out-door	68,655	67,511

3. Five hundred and forty major and 987 minor operations were performed during the year under review.

4. In the female section, 374 medical, 386 surgical and 826 labour and gynaecological cases were treated.

5. Three thousand, seven hundred and thirty-four dental cases were treated, and 1,759 dental operations were performed.

6. Both Major M. R. Sinclair and Lieut.-Col. J. C. Bharucha did much to improve the running of the Hospital.

T. C. BOYD, Colonel, I.M.S.,
Inspector General of Civil Hospitals,
United Provinces.

Annual Report of the Agra Medical College for the year 1940-41

I—Staff

(1) *List showing the names of the staff with their academic qualifications and their duties.*

Serial number	Name	Academic qualifications	Duties	Whole-time or part-time
		(a) Under the College Scheme		
1	Lieut.-Col. J. C. Bharucha, I.M.S.	M.R.C.P., L.R.C.P., D.P.H. (London.), L.M. & S. (Bom.), D.O.M.S. (Eng.).	Principal ..	Whole-time.
		Department of Anatomy		
1	Dr. P. D. Srivastava.	M.B., M.S. (Lko.)	Professor ..	Whole-time.
2	Dr. A. M. Khan	M.B., M.S. (Anatomy) M. S. (Surgery).	Assistant Profesor ..	Do.
		Department of Physiology		
1	Dr. H. N. Gupta	M. D. (Luck.), B.S. (Luck.).	Professor ..	Whole-time.
2	Dr. Rajendra Vir Singh.	M.B., B.S. (Luck.)	Assistant Professor ..	Do.
		(b) Under the School Scheme		
1	Lieut.-Col. J. C. Bharucha.	M.R.C.S., L.R.C.P., D.P.H. (London.), L.M. & S. (Bom.), D.O.M.S. (Eng.).	Principal and Lecturer in Clinical Medicine.	Whole-time.
2	Major M. R. Sinlair, O.B.E., I.M.S.	M.A., Ch.B., M.R.C.S	Civil Surgeon and Lecturer in Clinical Surgery.	Part-time.
3	Dr. Sitangshu Nath Chatterji.	M.B., B.S. (Luck.), L.M. (Rotunda), L.R.C.S. (Edin.).	Lecturer in Midwifery and Gynaecology.	Whole-time.
4	Dr. Gokul Narain Vyas.	M.D., M.R.C.P. (Edin), F.S.M.F. (U.P.).	Lecturer in Medicine	Do.
5	Dr. Tikam Singh Shukla.	M.B., B.S., D.O.M.S. (Lond.), D.O. (Oxon.)	Lecturer in Ophthalmology.	Do.
6	Dr. Chandra Bhan Singh.	F.R.C.S. (Eng.) ..	Lecturer in Surgery and Operative Surgery.	Do.
7	Dr. Prem Nath Wahi.	M.D., M.R.C.P. (Lon.)	Lecturer in Pathology	Do.

Serial number	Name	Academic qualifications	Duties in the Thomason Hospital, Agra	Whole-time or part-time
8	Dr. Wahid Uddin	M.B., B.S. ..	Lecturer in Medical Jurisprudence.	Part-time.
9	Dr. K. N. Gour	M.B.,B.S., D.P.H. (Luck.), M.R.C.P. (Edin.), F.R.F., P.S.G., D.C.H., R.C.P.S. (Eng.), D.P.H.	Lecturer in Hygiene	Do.
10	Dr. Benarsi Das	M.B., D.P.H. ..	Lecturer in Mental Diseases.	Do.
11	Dr. Avadh Behari Lal Mathur.	M.S.M.F., F.S.M.F. (U.P.).	Lecturer in Materia Medica.	Whole-time
12	Dr. Sri Krishna	M.B.,B.S.., F.R.C.S. (Primary).	Lecturer in Minor Surgery	Part-time.
13	Dr. Aon Muhammad Khan.	M.S. (Luck.), M.S. (Anatomy).	Ditto	Do.

(2) *List showing names of staff with their academic qualifications and their duties in the Thomason Hospital attached to the Medical College, Agra.*

Serial number	Name	Academic qualifications	Duties in the Thomason Hospital, Agra	Whole-time or part-time
1	Lieut.-Col. J. C. Bharucha, I.M.S.	M.R.C.P., L.R.C.P., D.P.H. (Lond.), D.O.M.S. (Eng.).	Medicine ..	Part-time.
2	Major M. R. Sinclair, O.B.E., I.M.S.	M.A., Ch.B. (Camb.), M.R.C.S.	Surgery	Whole-time.
3	Dr. Gokul Narain Vyas.	M.D., M.R.C.P. (Edin.)	Medicine ..	Part-time.
4	Dr. Sitangshu Nath Chatterji.	M.B., B.S. (Luck.), L.M. (Rotunda), L.R.C.S. (Edin.).	Midwifery and Gynaecology.	Do.
5	Dr. Tikam Singh Shukla.	M.B., B.S., D.O.M.S. (Lond.), D.O. (Oxon).	Ophthalmology ..	Do.
6	Dr. Chandra Bhan Singh.	F.R.C.S. (Eng.) ..	Surgical	Do.
7	Dr. Wahid Uddin	M.B., B.S. ..	Incharge Medical Outdoor. Assistant to Civil Surgeon.	Whole-time.
8	Dr. Aon Muhammad Khan.	M.B., M.S. (Anatomy) M.S. (Surgery).	Resident Medical Officer from 1st May to 22nd August, 1949.	Do.

Serial number	Name	Academic qualification	Duties in the Thomson Hospital, Agra	Whole-time or part-time
9	Dr. Sri Krishna ..	M.B., B.S., F.R.C.S. (Primary).	Resident Medical Officer from 23rd August, 1940 to 30th April, 1941.	Whole-time.
10	Dr. B. W. Lyall	M.B., B.S. ..	Incharge of Women's and Children's Outdoor for General Diseases.	Part-time.
11	Dr. G. L. Dutta	M.B., B.S. ..	Ditto ..	Do.
12	Dr. Satgur Dayal	M.B., B.S. ..	Medical Officer-in-charge, X-Ray Department.	Do.
13	Dr. M. S. Kapoor	M.B., B.S. ..	Anaesthetist from 1st May to 28th August, 1940.	Whole-time.
14	Dr. Shiv Charan Lal.	L.S.M.F. ..	Anaesthetist from 29th August, 1940 to 30th April, 1941.	Do.

II—Students

(1) *Sex of students*—Male and female both for L. S. M. F. and M. B., B. S. classes.

The Government having sanctioned admission of 10 girl students, 9 girl students were admitted to the M. B., B. S. class and the Women's Medical School having been closed, 39 girl students were transferred in the year under review for the L. S. M. F. course.

(2) *Maximum number of new admissions annually*—

United Provinces (including 10 girls and 10 from neighbouring states)	50
Delhi Provinces	2

The Government sanctioned reservation of 10 seats from the neighbouring states including two seats from the Delhi Province and further two seats from Ajmer-Merwara on payment of a subsidy of Rs.1,000 per candidate each year.

(3) *Age-limit for students on admission*—Candidates must have attained the age of 17 years or will attain that age in December of the year of admission.

(4) *Standard of general education required on admission to the College*—Intermediate with the medical group of subjects, viz. Chemistry, Physics and Biology of the Board of Intermediate and High School Education, United Provinces, or of a university of the United Provinces which is equivalent to or higher than the above-mentioned examination.

In order to give an opportunity to the candidates who appear for the pre-medical test at the King George's Medical College, Lucknow, but are not selected, the usual date of holding the pre-medical test examination has been shifted to the first week of August.

The total number of candidates who applied for admission to the College is 173, of these 133 appeared at the Competitive Examination held in the first week of August. Of these there were—

(1) M.Sc. passed	3
(2) B.Sc. passed	18
(3) I.Sc. passed	112

Of these 133 students 9 were girls and 10 from neighbouring states and Delhi Province and 2 from Ajmer-Merwara. Out of these 12 state students there was one B.Sc. and 11 Intermediate passed.

At the opening of the session there were 54 students in 1st year M. B., B. S. class as detailed below :

	9 girl candidates from United Provinces.
	10 neighbouring states candidates including 2 from Delhi Province.
	2 Ajmer-Merwara candidates.
	31 students from the United Provinces.
Total ..	52 admitted by competitive examination.
	1 student was admitted as a special case in September, 1940, under orders contained in G. O. no. 2734/V—489-1940, dated the 19th September, 1940, Medical Department to the Inspector General of Civil Hospitals, United Provinces, Lucknow.
	1 student was detained in the 1st year class due to his illness last year.
Total ..	54

In the year under review the following states sent in their candidates who were admitted on payment of subsidy of Rs.1,000 per student per year :

(1) Bhopal	2
(2) Kotah	1
(3) Jaipur	1
(4) Rampur	1
(5) Alwar	1
(6) Jodhpur	1
(7) Rewa	1
(8) Delhi Province	2
(9) Ajmer-Merwara	2

On the closing of the Women's Medical School, Agra, 39 girls (4th year 23 and 3rd year 16) students were transferred to this institution. Total number of candidates at the beginning of the session were as follows :

	L. S. M. F. class						M. B. B. S. class				Total
	4th year		3rd year		2nd year		2nd year		1st year		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Total	68	23	63	18	26	1	59	2	45	9	314

III—Examination

(1) The preliminary educational qualification having been raised to the Intermediate Science with the Medical group of subjects, the Licentiates Primary Examination ceased since October, 1939.

(2) *Proportion of students who took all the subjects at the Final Examination, Part II*—Out of 58 students 41 took all the subjects at the Final Examination, Part II held in April 1941.

(3) *Results*—

1. *Examinations held in October*, 1940

Details of examinations	Number appeared	Passed with honours	Passed with credit	Passed	Failed
1. Licentiate Final Examination, Part II.	50	..	1	28	21
2. Licentiate Final Examination, Part I.	48	..	..	30	18
3. Licentiate Intermediate Examination.	27	..	..	18	9

2. *Examinations held in April*, 1941

FINAL EXAMINATION, PART II

Particulars	Number appeared	Number passed	Percentage of pass
Medicine	47	40	85·1
Surgery	50	39	78
Midwifery and Gynaecology	54	43	79·6

Total number passed—40.

FINAL EXAMINATION, PART I

Particulars	Number appeared	Number passed	Percentage of pass
Pathology	46	41	89·1
Hygiene	42	32	76·2
Medical Jurisprudence	41	32	78

Number passed in all subjects and promoted to 4th year—33.

Intermediate Examination

Particulars	Number appeared	Number passed	Percentage of pass
Anatomy	4	2	50
Physiology	5	3	60
Materia Medica	9	7	77·8

Number passed in all subjects and promoted to 3rd year—6.

1st M. B., B. S. Examination of Agra University, Agra

Particulars	Number appeared		Total	Number passed		Total	Percentage of pass
	Boys	Girls		Boys	Girls		
1st M. B., B. S. of Agra University.	56	2	58	34	2	36	62

IV—Financial

Cost to Government to the body responsible to the School per student or College per annum :

(i) The total expenditure on the School and College for the year 1940–41 was Rs.1,52,433.

(ii) The average number of students on the roll was 285.

(iii) The average cost to the Government per student per annum in the School and College was Rs.519·4 as compared with Rs.439·35 of the last year.

Teachers whose duties are partly clinical and partly academic have been charged 80 per cent. to the School, although the provision of pay and teaching allowances exist in the School budget which is quite separate from the Hospital budget.

Out of the average of 285 students there were on an average ·25 military students.

The percentage of the military students paid for by the Government is 0·088, while the guardians of the rest of the students paid the usual School and College fee of Rs.30 per annum for 2nd, 3rd and 4th year L. S., M. F. students and Rs.120 for the 1st and 2nd year M. B., B. S. students. The College fee was enhanced to Rs.120 per annum and hostel fee to Rs.48 per annum since last year for the new entrants to the M. B., B. S. class.

V—Equipment

Number of sanctioned beds in the Thomason Hospital, Agra, attached to the Medical College, Agra, is 317. Of these 302 are reserved for teaching.

Of the 314 students, 263 were Hindus, 36 Muslims and 15 Christians (Indian). Out of these 314 students, 8 belonged to the neighbouring states, 2 to Ajmer-Merwara and 6 to Delhi Province.

Removals—Total number 75 as detailed below :

Passed Final Examination, Part II—		
October, 1940	29	69
April, 1941	40	
Removed for having failed for the last time in the Intermediate L. S. M. F. Examination, *vide* G. O. no. 229/V—662, dated the 11th February, 1941		3
Students left of their own accord and their names were struck off the rolls		3
Total ..		75

Thus on 30th April, 1941, in the School and College the following numbers of the students remained :

L. S. M. F. class		M. B. B. S. class			Total
4th year	3rd year	3rd year	2nd year	1st year	
84	41	36	64	14	239

Attendance—This on the whole was satisfactory, except in the case of three students who were going up for the last time for their Intermediate L. S. M. F. Examination and who were short of attendance but were allowed to appear by the Inspector General of Civil Hospitals, United Provinces, as a special case.

Discipline—The students organized a general strike on the 14th August, 1941. The exciting cause of the strike was the grievance of the students to a notice which was put up in accordance with the order of the Inspector General of Civil Hospitals, for the evacuation of the hostel rooms by the failed final year students. The hostel accommodation being limited certain students have to arrange for accommodation outside.

VI—Teaching and Practical Training

Anatomy Department

Attempts have been made to bring the department up to the M. B., B. S. standard in consonance with the requirements laid down by the Indian Medical Council and to afford greater facilities for study.

Subordinate Staff—Additions during the year have been an artist, a modeller, a museum attendant and laboratory assistant bringing the total strength of the subordnate staff to 9, consisting of one injector, one modeller, one artist, one museum attendant, laboratory assistant, one peon and three sweepers.

Modelling Section—Many instructive models have been prepared.

Artist Section—A good number of highly illustrative as well as instructive diagrams have been prepared for class work.

Cold storage—It was a great necessity to store dead bodies in the hot climate of Agra. A cold morgue has been installed this year at a cost of Rs.4,650 and it provides accommodation for 12 dead bodies. This capacity can be easily extended to accommodate 24 bodies.

Museum—It has practically emerged a new. Two long wooden show cases have been put up lengthwise in the middle of the museum. Names of 65 anatomists of the past from 460 B.C. to 1825 A.D., engraved on marble slabs, have been fixed up in chronological order in the walls round the museum both in the lower floor and in the gallery. A complete, disarticulated skeleton has been marked on the lines of Fraser's Anatomy of the human skeleton. A complete set of systemic Embryology models is a new addition to the Embryology Section. Fifty Embryology slides put up in slide stand, complete this section which constituted an insignificant part of the museum last year.

Total number of specimens in the museum is 455 models and bones 213 and diagrams 481.

Separate classes were held for L. S., M. F. students, 1st year M. B., B. S. students, and 2nd year M. B., B. S. students.

Physiology Department

Staff—The staff consisted of one Professor one Assistant Professor, one Assistant Professor in Bio-chemistry and three Demonstrators.

Regular classes were held throughout the session, consisting of lectures thrice a week, two hours practical classes thrice a week and demonstrations.

2nd year M. B., B. S.—In the first session no practical classes were held from 9 to 11 a.m. on alternate days as these hours were utilized for classes and demonstrations in (i) Elementary Psychology, (ii) Introduction to General Pathology, (iii) Introduction to Pharmacology, and (iv) Elementary methods of clinical examination including the use of common instruments. Weekly class examinations were held as far as practicable. During the last part of the session tutorial classes were held, the classes having been divided into five batches of about 12 students each for the purpose. This enabled the staff to give individual attention to the students. For the practicals the class was divided into three batches doing Histology, Chemical and Experimental work in turns. This enabled individual students each to do experiment by himself.

1st year M. B., B. S.—Lectures and demonstrations were given for one hour each on alternate days and practical classes were held daily for two hours, the class having been divided into three batches.

Weekly examinations were held regularly.

A fully equipped Bio-chemistry Laboratory has been started since the beginning of this session. The staff consisted of an Assistant Professor in Bio-chemistry and a Demonstrator, one whole-time Laboratory Assistant and a sweeper.

The accommodation for the Histology, Chemical and Experimental Physiology continues to be sufficient. The laboratories have been equipped with the latest necessary instruments and apparatuses including a Kymograph with power table and two mammalian assemblies for research work. Addition of a room fitted up for research work is, however, an outstanding necessity and one small room for the junior staff will be of advantage. Some suitable arrangements for storing frogs is also required.

Pharmacology Department

There is a part-time Lecturer and a part-time Demonstrator in this department. Lectures and demonstrations were given to the 2nd year failed students during the session.

Practical classes were held for preparing the different kinds of mixtures, ointments, suppositories, lotions, pills, plasters, etc.

Pathology

Staff—During the year again there were only two on the permanent staff. The clinical work in the department has been going up very much every year. Since the closing of the Pathology department of the Lady Lyall Hospital, the whole of their Pathological work is being done here besides the Pathological work from the districts around Agra. The number of Pathological examinations done in the department this year are 18,309, as compared with 15,852 last year.

Teaching—It has been on the usual prescribed lines of the L. S. M. F. course. The laboratory is fully equipped with 44 seats each provided with a microscope (including oil immersion lens).

Lectures were illustrated by epidiascopic slides of which the department now possesses a full set and microscopic slides were demonstrated in practical classes on the microprojection apparatus in a special dark room provided for the same.

Post-mortems—The total number of post-mortems performed during the year under review were 7. Inadequacy of the number of post-mortems performed has always been a difficult problem to solve. This is due to the fact that the religions bodies like Anjuman and Arya Samaj demand all the unclaimed bodies dying in the hospital for cremating them or burying them and do not allow a post-mortem examination on them. Post-mortem room is the place where real teaching in Pathology could be done by co-relating the morbid processes with physical signs and symptoms during life. Teaching is very much handicapped owing to fewer number of post-mortems available.

Pathology Museum—The new building will be ready for occupation soon. The old room has been changed into Experimental Physiology Laboratory. All the old specimens have now been remounted and the old unshapely jars have been replaced by rectangular jars. The Midwifery and Gynaecological section has very much expanded and contains some rare specimens. The Medico-legal section is steadily expanding. Two hundred and twenty-eight new specimens have been added, some of them having been transferred from the Women's Medical School.

A modeller and an artist have been employed and thus a long-felt need fulfilled.

Equipment—The department is equipped to undertake almost all laboratory tests that are done in a modern laboratory. A separate fully equipped Bio-chemical Laboratory has been started under the Reader in Bio-chemistry and Demonstrator in Bio-chemistry. All the Bio-chemical examinations are now carried out there.

Microscopes—The department has 47 microscopes, out of which 45 are for the exclusive use of the students. Five microscopes this year have been transferred to the Physiology department.

Pathological examination—The number of Pathological examinations carried on in the department has reached a high figure. The following figures bear out the increase in the work of the department during the last five years :

Year	Number of examinations done
1936-37	8,469
1937-38	12,303
1938-39	12,372
1939-40	15,852
1940-41	18,309

The figures for this year are as follows :

Widal Reaction examinations	356
Wassermann tests	1,215
Blood, urine, stool and sputum examinations ..	16,438
Auto-Vaccines	50
Report on pathological tissues	184
Pathological post-mortems held and demonstrated to students	7
Blood sugar tests	59

Research—The whole staff consisted of two permanent men and for about one and a half months only of one man had to carry on over 18,000 Pathological examinations besides taking regular lectures and practical classes. Under the circumstances it is obvious that no research work was done this year.

Medical Jurisprudence

The staff of this department consists of a part-time Lecturer in Medical Jurisprudence. The Assistant to Civil Surgeon, Agra, in addition to his own duties did this part-time teaching work in this subject. The course consisted of Medical Jurisprudence proper, toxicology and mental diseases. A course of 40 lectures were delivered to the students and almost all attended over 75 per cent. of these lecturers, 97 post-mortems were done before the students. Out of these regular attendance at 12 post-mortems was compulsory.

In all 402 injury, age, unnatural offences and various other medico-legal examinations were done and demonstrated to the students throughout this session, and 10 viscera bottles were packed before the students and sent to the Chemical Examiner.

Students in batches of five were taken to the court to witness the proving on oath in the criminal courts of the post-mortem and other injury and examinations and cross-examinations that the medico-legal examiner was put to by the vakils in the court.

Lectures were delivered in mental diseases by the Superintendent of the Mental Hospital, Agra, and students were taken round inside the Asylum where all varieties of mental cases were demonstrated to them.

Hygiene

The staff consists of a lecturer who is a part-time officer and School Health Officer of Agra.

Teaching and practical training in Hygiene consist of—

Thirty lectures in Hygiene.

Eight demonstrations.

Outdoor instructions in sanitary works, water-works, disposal of nightsoil and rubbish, etc.

A separate room has been provided for the Hygiene Museum which contains 159 models and is up to date for teaching purposes.

Medicine

The revised syllabus and courses of studies in medicine have been approved by the Government in G. O. no. 2571, dated the 24th September, 1938.

Lectures by the Lecturer of Medicine consisted of—

Fifty lectures on Systematic medicine.

Ten lectures on Therapeutics.

Daily bedside clinics were taken by the Principal for 4th year students and by the Lecturer for the 3rd year students.

The Principal gave 48 clinical lectures during the year.

The Lecturer in Medicine also demonstrated cases of infectious diseases in the Hewett Infectious Hospital.

Surgery

The usual 50 lectures were delivered by the Lecturer in Surgery and the subject covered was according to the revised syllabus approved by the Government in G. O. no. 2571, dated the 24th September, 1938. The method of combined weekly clinic was found very popular and was continued like last year. Ten lectures in Ear, Nose and Throat and 20 practical demonstrations in Operative Surgery were given by the Lecturer in Surgery. The practice of every-day bedside clinics to the students was continued. In addition clinics were given thrice a week in the Surgical Outpatient department to the 3rd and 4th year students. Lectures in Minor Surgery were delivered by the Resident Medical Officer and 20 lectures in Clinical Surgery by the Civil Surgeon as usual.

Twelve lectures on anaesthesia general and local were given by the Assistant Lecturer in Anaesthesia. The students were given the practice of inducing general and local anaesthesia under the direct supervision of the Assistant Lecturer. One thousand four hundred and ten operations were performed, of these 542 were major.

Ophthalmology

There has been a marked increase in the teaching due to a rise in the number over the prescribed 25 lectures and practical demonstrations.

Operations

—	1938-39	1939-40	1940-41
Major	869	858	659
Minor	949	949	960

Special facilities were provided by holding most of the operations during the hours the students worked in the department.

Up-to-date facilities in practical demonstrations are provided with modern type of appliance, i.e. Slit lamp with Corneal microscope, the latest type of Lister's Perimeter, self-luminous test types, etc.

Midwifery and Gynaecology

Staff—Consists of only one Lecturer.

Instructions by the Lecturer of Midwifery and Gynaecology consist of—

(1) Fifty lectures both in Midwifery and Gynaecology.

(2) Eight lectures in Anti-natal Hygiene and care of new-born infants.

(3) Bedside clinic in Maternity and Gynaecology cases in wards.

(4) Demonstration on patients in Gynaecological Outpatients department and Anti-natal and Post-natal care, three days in a week.

(5) Abnormal Maternity cases and interesting operations were demonstrated to all students.

(6) Combined clinics were given once a week in which all final year students attended.

(7) Students write up the history-sheets of Gynaecological cases and waiting Labour cases which are allotted to them and they are corrected by the Lecturer.

The sanctioned number of beds under the Lecturer in Midwifery and Gynaecology is only 18 (one ward of 16 beds and two beds in the anti-rooms which were meant to be godowns) but due to the great rush of cases, both Maternity and Gynaecological, extra beds have been put up in the verandah and the total number of beds in daily use has been 26. When there is a rush of Maternity cases more extra beds are provided inside the wards. The daily average of patients in the wards for the whole year is 25.

The total number of cases treated during the year were 826 and of this 484 were Maternity cases, 75 cases of diseases of pregnancy and puerperium and 267 were Gynaecological cases. Calculating on these figures the average period of stay of a patient in the wards is 11·5 days. Normal Maternity cases are discharged on the 7th day due to overcrowding and lack of beds.

Out of the 484 Labour cases, 445 were normal and 39 were abnormal. The number of Labour cases have gone up this year as will be evident from the following table :

Total number of Labour cases confined for the last three years :

Year	Normal	Abnormal	Total
1938-39	403	43	446
1939-40	325	53	378
1940-41	445	39	484

These cases are conducted by the students and are written up by them and a careful record of these cases is maintained both in the department and by the students. Patients who refused to have male students to confine them had to pay a sum of Rs.10 and income from this source to the Government has been Rs.280 this year. There was no objection by these patients in having female students to confine them and they never objected to the examination by the Medical Officer or his House Surgeon.

The details of obstetrical operations performed are as follows :

Caesarian Section—		
Classical	7	Total 13
Lower segment	6	
Forceps		6
Craniotomy		3
Internal version		2
Breech		3
Placenta Previa (Willets forceps)		2
Prolapse of cord (reposition)		2
Retained placenta (manual removal)		6
Decapitation		2

Total number of Gynaecological operations peformed during the year was 229 as compared to 222 last year. Gynaecological cases are examined by the student incharge and two others and there has never been an objection to such examinations.

No facilities have yet been provided for the better management of the new-born infants and especially of premature babies and instructions regarding the management and treatment of diseases of new-born infants could not be satisfactory due to lack of proper nursing staff.

This department is grossly understaffed in nursing, specially at night there is *only one probationer* (sometimes a very junior one) nurse by night attending to the whole of the female ward of about 58 beds consisting of surgical, and medical cases, besides the large number of Maternity and Gynaecological cases and also new-born babies which are 10 to 12 on average. The staff nurse by night conducts the Labour cases and goes all over the hospital as a night superintendent.

The museum has been greatly improved and many valuable specimens have been added this year.

There is only one lecturer incharge of this department who does all the emergency calls, all operations besides the teaching work which he does single-handed and undoubtedly he is overworked.

Anti-natal clinic and suggestion.—The hospital though conducts so many Labour cases has not got any Anti-natal clinic attached to it. The only Anti-natal work that is done is in the Gynaecological Outpatient department along with other cases. The number of such cases that turn up for Anti-natal care is very small with the result that most of the cases that are confined had no Anti-natal care at all.

A proper Anti-natal clinic can not be run in a hospital unless there are health visitors attached to the clinic who should visit these mothers and induce and advise the mothers to get Anti-natal care and to get examined in the hospital. For the proper running of the Anti-natal clinic the services of at least two health visitors must be secured. A fund should also be provided to pay the poor mothers their conveyance charges and to help them to buy milk. A sum of annas 6 per visit will be a reasonable figure.

X-Ray Department

Dr. Satgur Dayal, M.B., B.S., held charge of the department during the year. Improved methods were practised in fluoroscopic and radiographical investigations of various diseases and systems of the human body. Observations were also made on heart, lung and abdominal diseases, and radiographical investigation in the union of fractures in Indians has been carried out.

A comparative statement of the number of X-ray examinations and electrical treatment done in the department during the last five years are given below :

Year	Number of electrical treatment	Number of radiographical examinations	Number of radioscopic examinations	Total number of radiological examinations
1936-37	167	2,221	..	2,221
1937-38	249	2,985	..	2,985
1938-39	277	3,120	..	3,120
1939-40	709	2,988	459	3,447
1940-41	908	3,518	1,111	4,629

The progressive increase in the above figures indicates the growing demand and utility of radiological and electrological methods of diagnosis and treatment of diseases.

Library

The library continues to be lodged in the spacious examination hall resulting in growing popularity and convenience for everybody using it. In view of the School becoming a College, a special grant of Rs.8,000 was given by Government.

Hostel

There is one hostel for male students with accommodation for 160 students.

Dr. P. N. Wahi was the Superintendent of the hostel during the year.

The hostel library has been very popular. The restaurant and the radio room have been very popular throughout the year. The general health of students is good. Those who are below mark are kept under special observation in students' ward.

Sports—The sports and atheletic activity has been very much marked during the year under review.

Field sports—This was the first year when our boys took part in the University sports. The school team also participated in the Quadrangular sports. Some of the boys did well. The annual sports were held in December and there were a large number of entries.

The Sports Championship was annexed by T. P. Banerji who was awarded College Colours.

The triangular tournaments organized by the College have been changed into quadrangular ones by the inclusion of Balwant Rajput College.

Football was as popular as last year and the College formed a fairly strong team. Colonel Bharucha Quadrangular Football Tournament run by the Medical College was as usual a very popular event and was won by the Agra College.

Hockey was as usual the most popular game and the College had a fairly strong side. We took part in almost all the local tournaments. The Ram Pal Memorial Quadrangular Hockey Tournament organized by the Medical College was won by St. John's College.

Cricket was well attended too and the College eleven was fairly strong. Sunday matches formed a regular feature. Colonel Bharucha Quadrangular Cricket Tournament was won by St. John's College. Four of our players played in Colleges *versus* the Rest Tournament and Dr. S. Zaman Khan was selected to captain the College eleven.

Tennis has been very popular. Three lawns are maintained.

Badminton and Tourniquet have been again popular and two courts of each are run.

Basket ball was introduced for the first time, and a good team was formed and some interesting matches were played. Gymnasium has been popular. Volley ball has been regularly played.

Indoor games—Ping-pong, carrom, chess, draughts, etc. have been very popular.

Latrines—The present condition of the latrines is abominable. The drains and the platform are broken at places and the sullage flows all round. The doors also need repairs. The students have been constantly complaining against them. The attention of the Inspector General of Civil Hospitals has been drawn to this by the Principal but due to lack of funds nothing could be done so far. This is a thing which requires immediate attention.

Lady Students' Hostel

A permanent hostel superintendent, Miss K. Chatterji, M.A., L.T., was appointed on 20th November, 1940.

At present the hostel is housed in the same building as was used in the Women's Medical School. A part of this building is being used and consists of 15 big rooms and 2 small rooms. M. B., B. S. students have been allotted single-seated and double-seated rooms, while L. S. M. F. students are allotted-4 seated rooms. This building will be utilized by the Lady Lyall Hospital as wards and has to be vacated by 15th November, 1941. A new hostel will be provided and the scheme is sanctioned and the construction will be taken in hand soon.

At present there are 38 students in the hostel, out of which 11 are Christians, 4 Muslims and the rest are Hindus.

Games—There is every facility for games in the hostel. It has got a big playground where there are courts for tennis, badminton, basket ball and deck tennis. There is a well-furnished recreation hall with radio set and gramophone which provides facilities for in-door games such as ping-pong, carrom, etc. There is one special servant for games.

Medical attendance—Every care is taken for the upkeep of good health of the girls. The girls have their treatment in the Lady Lyall Hospital where there is a special room for them in the Purdah Ward. Sometimes they have their treatment by the Medical College doctors as well by the special permission of the Principal.

Clinical Society

The Society continued to function with enthusiasm throughout the year. Eleven scientific meetings were held.

Students attended the meetings in large numbers and were initiated into the clinical discussions. This year we had four prizes in Clinical Society instead of two. Two out of these were for the best speakers and two for the best writers.

The Clinical Society Magazine has been steadily growing in popularity. As usual two six-monthly issues were published containing 23 original articles, reviews and miscellaneous matters.

At present we have 56 life members and 36 annual members.

Notable visitors—His Excellency the Governor of United Provinces, Sir Maurice Hallett, paid a visit to the College and the Hospital along with his advisers and other members of his staff on 22nd August, 1941, and went through the details of the new Medical College scheme and suggested the improvements on the recommendations of the re-organization committee. His Excellency personally inspected every site and went into the details of every scheme surmounting all practical difficulties. His Excellency directed a new outlook to be brought to bear in the task. The criterion was no longer to be what economy could possibly secure in translating the school to a college but what should be the standard of a really first class medical college.

Dr. Panna Lal, LL.D., C.I.E., I.C.S., paid a visit to the College and the Hospital in the morning of 21st December and presided over the prize distribution ceremony in the evening. The staff was "At home" to the distinguished guests.

The details of this year's award of prizes are as follows :

Serial number	Examination	Detail of prize	Subject of prize	Name of the winner
1	Licentiate Final Examination.	Silver Medal ..	General proficiency	Phool Kumar Jain.
		Bronze Medal ..	Ditto ..	Moti Lal Gupta.
		All-India Medical Licentiates' Association O'Meara Gold Star.	Obtaining highest number of marks.	Phool Kumar Jain.
		All-India Medical Licentiates' Association Rahman Silver Medal.	Surgery ..	Ditto.
		Rai Sahib Dr. Lekh Raj Singh's Silver Medal.	Ophthalmology ..	Ditto.
		All-India Medical Licentiates' Association Mactaggart Gold Medal.	Clinical Medicine ..	Ditto.
		Narain Silver Medal presented by Dr. S. L. Verma for a Kayasth student.	Medicine ..	Ramesh Chandra.
		Nobin Chandra Chakravarti Memorial Silver Medal.	Ditto' ..	Jitto Devi.
		All-India Medical Licentiates' Association Cochrane Silver Medal.	Midwifery and Gynaecology.	Raghubir Sahai Shukla.
		Pandit Lakshmi Ram Pandya's Silver Medal.	Clinical Medicine and good conduct.	Phool Kumar Jain.
		Book	Competitive prize in Medicine.	Bhawani Parshad Kackar.
		Do.	Clinical Surgery ..	Phool Kumar Jain.
		Do.	Competitive prize in Surgery.	Bhawani Parshad Kackar.
		Do.	Competitive prize in Ophthalmology.	Jagdish Parshad Goyal.
		Do.	Clinical Midwifery and Gynaecology.	Raghubir Sahai Shukla.
		Do.	Competitive prize in Midwifery and Gynaecology.	Bishambhar Nath Baijal.

Serial number	Examination	Detail of prize	Subject of prize	Name of prize winner
2	Licentiate Final Examination, Part II.	All-India Medical Licentiates' Association Ram Swarup Silver Medal.	Pathology ..	Nawal Kishore.
		Book	Clinical Pathology..	Ditto.
		Do.	Competitive prize in Pathology.	Vinod Behari Lal.
		Do.	Hygiene ..	Nawal Kishore.
		Do.	Competitive prize in Hygiene.	Ditto.
		Do.	Medical Jurisprudence.	Jagdish Sahai.
		Do.	General proficiency in the Final Examination, Part I.	Nawal Kishore.
3	Ist M. B., B. S. Examination.	Silver Medal ..	General proficiency	Radhey Shyam Gupta.
		Book	Anatomy ..	Ditto.
		Do.	Competitive prize in Anatomy Essay.	Deoki Nandan Gupta.
		Do.	Competitive prize in Dissection.	Chitta Ranjan Mitter.
		Do.	Physiology ..	Radhey Shyam Gupta.
		Do.	Competitive prize in Physiology.	Ditto.
4	Special prizes.	Colonel Bharucha special prize for the best student of the school for the year 1940-41.	..	Phool Kumar Jain.
		Rai Bahadur Dr. B. N. Vyas' Gold Medal prize to the best student in the school in study and sports for the year 1940-41.	..	Syed Noor Muhammad.

General Remarks

During the year 53 fresh admissions were made in August, 1940. Among these new admissions there were 9 lady students (2 Christians and 7 Hindus) and 44 boys of whom 37 were Hindus and 7 Muslims.

The average age of the students at the time of admission was 20·2 years. The total number of students at the close of the session in April, 1941, was 239 which included 37 lady students, Hindus 201, Muslims 27, and Christians 11.

The general health of students is good. Those who are below mark are kept under special observation in the students' ward and are given all the necessary facilities. The results of the examinations held at the end of the last session have been satisfactory. The students have all along been impressed that discipline is the most important factor in the training of medical men and I hope they all realize it. The total expenditure of the school came up to Rs.1,52,433 for the year 1940-41. The revenue of the school was Rs.39,010 as compared with Rs.19,980 for the last year showing an increase of Rs.19,030, as the new entrants for the M. B., B. S. class are paying enhanced fees, Rs.120, yearly as tuition fee and Rs.48 yearly as hostel rent and the subsidy from states.

The average cost to the Government per student per annum in the school was Rs.519·4 and the average number of students on the roll was 285 during the year 1940-41.

The teaching in pre-clinical subjects of Anatomy and Physiology is done on M.B., B. S. standard. The staff were temporarily recruited from the P. M. S. All-round improvements are made in the teaching of other subjects. The most notable improvement in connexion with our College is our laboratories. The Physiology laboratory has been completely remodelled into three complete units for chemical, histological and experimental Physiology work. A new Bio-chemistry laboratory has been opened which is run by Assistant Prefessor and Demonstrator in Bio-chemistry.

Both the lecture theatres have been fitted with epidiascopes and a micro-projection apparatus has been fitted up in the Pathology department.

The Agra Medical College Clinical Society which has been started in recent years is steadily growing and becoming more popular. At present it has 56 life members besides 36 yearly members. The meetings are well attended by the sudents and staff of the College as well as by local medical practitioners. The Journal of the Clinical Society, I am glad to say, is becoming very popular among the students and medical men outside. The old students also assemble once a year and a special scientific meeting is held for them.

My thanks are due to all the members of the staff for their co-operation.

Three statements from A to C are appended.

J. C. BHARUCHA,

LIEUT.-COL., I.M.S.,

Principal, Medical College, Agra.

AGRA:

The 9th May, 1941.

TABLE A

Table showing the nature and extent of practical training obtained by the students in the Agra Medical College, during the year under report and two previous years.

Year	Number of cases examined and treated before students		Number of operations performed before the students	Number of dead bodies dissected by the students	Practical medical jurisprudence		Number of times contents sent to the Chemical Examiner
	In-door patients	Out-door patients			Post-mortems held before students	Injury cases examined before students	
1	2	3	4	5	6	7	8
1938-39 ..	6,520	69,287	4,815	43	60	258	12
1939-40 ..	6,177	64,768	4,849	46	81	377	11
1940-41 ..	6,398	61,051	3,522	26	97	402	10

AGRA:
The 10th May, 1941.

J. C. BHARUCHA,
LIEUT. COL., I.M.S.,
Principal, Medical College, Agra.

TABLE B

Table showing the result of examinations in the Agra Medical College, during the year under report and two previous years

Year	Licentiateship Final Examination, Part II						Licentiateship Final Examination, Part I						Licentiateship Intermediate Examination						1st M.B., B. S. Examination					
	Number appeared		Number passed		Percentage of passed		Number appeared		Number passed		Percentage of passed		Number appeared		Number passed		Percentage of passed		Number appeared		Number passed		Percentage of passed	
	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination	Regular examination	Re-examination
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1938-39	43	30	24	20	55·81	73·3	47	27	28	23	59·57	85·18	63	33	23	25	36·50	75·75	..	..	..	..	..	..
1939-40	57	27	24	21	42·10	87·5	51	21	31	14	60·78	66·66	54	35	24	26	44·44	74·29	..	..	..	..	..	..
1940-41	58	50	40	29	68·97	58·00	50	48	33	30	66·00	62·5	9	27	6	18	66.66	66·66	58	..	36	..	62.68	..

AGRA:

The 10*th May*, 1941.

J. C. BHARUCHA,
LIEUT.-COL., I.M. S.,
Principal, Medical College, Agra.

TABLE C

Statement showing the Finance and Expenditure of the Agra Medical College, during the year 1940-41

Heads of receipts	Income			
	1939-40	1940-41	Increase	Decrease
Receipts from other sources than Government—				
School fees including subsidy from States.	1,505	31,995	16,490	..
Miscellaneous	4,475	7,015	2,540	..
Total ..	19,980	39,010	19,030	..
Receipts from Government ..	1,04,493	1,13,423	8,930	..
Total income ..	1,24,473	1,52,433	27,960	..

Heads of expenditure	Expenditure			
	1939-40	1940-41	Increase	Decrease
Establishment	99,190	1,09,220	10,030	..
Scholarships	832	600	..	232
Contingencies	6,894	7,506	612	..
Books and periodicals for library ..	500	8,000	7,500	..
Prizes and rewards	356	336	..	20
Travelling allowance	817	2,489	1,672	..
Cost of medical stores	9,242	18,204	8,962	..
Petty repairs and construction ..	6,642	6,078	..	564
Total expenditure ..	1,24,473	1,52,433	28,776	816

AGRA:
The 10*th May*, 1941.

J. C. BHARUCHA,
LIEUT.-COL., I. M. S.,
Principal, Medical College, Agra.

Annual Report on the working of the Thomason Hospital, Agra from 1st April, 1940 to 31st March, 1941

1. The work of the Hospital during the year under report was satisfactory. The total number of patients treated during the calendar year 1939 as compared with 1940 was as follows :

	1939	1940
In-door	6,748	6,524
Out-door	68,655	67,511
Total ..	75,403	74,035

2. There has been no change in the in-door accommodation except that the Infectious wards and a portion of the Eye department were demolished in connexion with the raising of the Institution to a Degree College.

3. The following changes took place among the hospital staff :

1. *Civil Surgeon and Superintendent*—Major M. R. Sinclair, I.M.S., from 1st April, 1940 to 13th January, 1941. Lieut.-Col. J. C. Bharucha, I.M.S., from 14th January to 31st March, 1941.

2. *Resident Medical Officer and Assistant Superintendent*—Dr. A. M. Khan, P.M.S., was replaced by Dr. Shri Krishna, P.M.S., during the year under report.

4. *Buildings*—Only demolitions as mentioned in paragraph 2 above were made during the year under report.

A grant was again given this year for the treatment of eye cases from the Rural Development Department from which six tents were pitched this year and this helped a great deal in accommodating patients.

5. *Equipment*—There have not been any additions of importance to the apparatus during the year under report except in the X-Ray department and an operation table worth Rs.2,500.

As last year sera and vaccines as well as the Sulphonamide group of drugs were given to really deserving cases.

6. *Diet*—As before the patients were given a liberal diet with fruit, etc., the milk supplied on the whole has been satisfactory.

7. *Routine working*—The routine working of the Institution has been up to the standard.

8. *Nursing*—Our main difficulty as previously mentioned has been shortage of nursing staff. It is understood that with the introduction of the College Scheme, more nursing staff will be allowed.

The results of the Nurses' Examinations this year too were quite satisfactory.

	Number appeared		Number passed		Average passes
	March	September	March	September	
1940					
First year	2	5	1	5	65·71
Final	3	4	3	4	100%
1941					
First year	5	..	4	..	80%
Final	5	..	5	..	100%

9. *The Medical Section Staff*—Lieut.-Col. J. C. Bharucha, I.M.S.
Dr. G. N. Vyas, P.M.S.
Dr. H. K. Rastogi, P.M.S. (during the summer vacation).
Dr. P. N. Wahi, P.M.S. (during the summer vacation).

Beds available—Males, 78.
Females, 14.

Number of cases treated—Males, 1,125.
Females, 374.

Number of Meningitis cases treated—36.

Deaths—8.

Following a lecture from Sir James Roberts, Carbolic Acid injections were tried in cases of pulmonary and abdominal tuberculosis (Special Hyperplastic Tuberculosis of the Caecum). Although it is too early to dogmatize at this stage, the results obtained are reported to be so far short of those claimed by Sir James Roberts.

Sporadic Meningitis cases continued to occur during the year.

M. & B. 693 has continued to give excellent results in cases of Lobar Pneumonia.

10. *Surgical Indoor Section—Staff*—

(1) Major M. R. Sinclair, I.M.S.

(2) Dr. C. B. Singh, P.M.S.

(3) Dr. Shri Krishna, P.M.S.

Cases treated—

Surgical wards	1,341
Private wards	98
Major operations	372
Minor operations	555

The necessity for more beds is felt most of all in this section of the Hospital as there is always a long waiting list both of patients for the General, Surgical and Private wards. A separate Fracture Ward is very necessary.

11. *Female Indoor Section*—This comprises of the Medical, Surgical, Obstetrical and Gynaecological in-door beds.

Number of Patients Treated—

Medical	..	374 (also mentined in the Medical Section).
Surgical	..	386.
Labour cases	..	484 (445 normal, 39 abnormal).
Gynaecological cases		342
Total		1,586.
Gynaeclogical operations	..	229.

A list of more important operations performed is enclosed at the end of this report.

Medical and surgical beds are administered by the Medical and Surgical staff.

The Staff in the Gynaecological department is—

Dr. S. N. Chatterjee, P.M.S.

The total accommodation in this department is only 56 which is obviously far short of real requirements. Under the College Scheme better conditions are expected.

Provision of fans in the verandah of this department is a pressing need.

This department is very short-staffed, but better conditions are expected with the introduction of the College Scheme. The work being done here is of a high standard and its popularity among the patients is shown by the pressure on the available accommodation.

The teaching of students does not in any way appear to effect the popularity of this department among the patients.

12. *Eye Wards—Staff*—Dr. T. S. Shukla, P.M.S.

In addition to this the Superintendent also visited the department and performed operations on every Saturday.

Total number of patients treated	..	1,438
Number of major operations performed	..	659
Number of minor operations performed	..	960
Number of beds	..	56 but a portion of the department was demolished and six tents were pitched and the accommodation was increased to 150 beds.

The majority of pateints treated comprised of cataract, next to which were glaucoma and trachoma cases. The work of this department generally continued to be of a high standard.

13. The number of surgical operations performed here is as follows :

	1939-40	1940-41
Major operations	514	540
Minor operations	738	987

14. *European wards*—Number of patients treated—

1939-40 .. .. 101 1940-41 104

The department as before was under the care of the Civil Surgeon and his Assistant.

Only paying patients are admitted to this ward of 9 beds and the department has done admirably during the year.

15. *The General Stores*—The difficulty of obtaining satisfactory articles from the contractors approved by the Industries Department has been felt more than ever during this year and we had to pay more and in spite of a lot of correspondence articles of inferior quality had to be accepted.

Efforts are being made to restrict the purchase of metal instruments and the Hospital staff as a whole has been warned to take the greatest care of the instruments issued to them. The difficulty of replacements and repairs has been explained to the staff of the Hospital and their co-operation in preserving the existing instruments demanded.

16. *The X-Ray and Electro-Therapeutic Department—Staff*—Dr. Satgur Dayal, P.M.S. The department continued to do excellent work in spite of shortage of staff and money. In addition to the improvised methods practiced in flouroscopic and radiographical investigations of various diseases and systems of the human body, observations were also made on heart, lung and abdominal diseases, and radiographical investigation in the union of fractures in Indians has been carried out. Short Wave Diathermy apparatus and Valve Pantostat have been provided which have lead to a great improvement in the electrical treatment of diseases.

Work done during the last five years at the department is as follows :

Year	Number of electrical treatment	Number of radiographic examinations	Number of radioscopic examinations	Total number of radiological examinations
1936-37	167	2,221	..	2,221
1937-38	249	2,985	..	2,985
1938-39	277	3,120	..	3,120
1939-40	709	2,988	459	3,447
1940-41	908	3,518	1,111	4,629

17. *Outpatients Department*—The following Outpatients departments continued to do efficient work during the year and the number of patients treated and operated are noted against each :

Out-door department	Number treated	Number operated
Medical out-door	10,438	..
Surgical out-door	10,381	682
Ear, nose and throat	8,545	75
Dental out-door	3,734	1,759
Female out-door	17,860	230
Ophthalmic out-door	12,183	Shown in in-door..
Gynaec out-door	Reported with the Female out-door cases as usual	

Operations done in General Operation Theatre—

Major—540.

Minor—987.

Dental Out-door is being run by Dr. B. N. Baijal and Dr. C. B. Sood on alternate days. Total cases treated is 3,734 and the number of operations performed is 1,759.

Sub-total

Hysterectomies	6
Caeserian Section in	13
Ovariotomy	8
Fothergills' operation	4
Gilliam's Suspensian operation	5
Salpings-Oopherectomy	4
Salping-ectomy	1

J. BOULTBEE,

MAJOR, I.M.S.,

Superintendent, Thomason Hospital, Agra.